

Date: Wed, 1 Jun 94 20:29:29 PDT
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>
Errors-To: Info-Hams-Errors@UCSD.Edu
Reply-To: Info-Hams@UCSD.Edu
Precedence: Bulk
Subject: Info-Hams Digest V94 #607
To: Info-Hams

Info-Hams Digest Wed, 1 Jun 94 Volume 94 : Issue 607

Today's Topics:

 6146A vs 6146
 Antennas on Taurus Wagon
 Dallas Ham fest?
Fancy testing some Macintosh HyperCard software ?
 Field Day!
 Help: FT-5200 LED Replacement
 IPS Daily Report - 01 June 94
 Logging software?
 re;N7RO QSL bureau
Reality check (was Re: Ham Radio few problem)
 WANTED: Any Icom IC-3SAT mods

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: Wed, 01 Jun 1994 19:26:17 -0400
From: dale.ksc.nasa.gov!algol.ksc.nasa.gov!k4dii.ksc.nasa.gov!user@ames.arpa
Subject: 6146A vs 6146
To: info-hams@ucsd.edu

In article <9405252323.AA11606@flowserver.stem.com>,
dave@flowserver.stem.com (David Adams) wrote:
> which states that only 6146As should be used. Can anyone enlighten
> me on the specifics of the 6146 family? I've put together quite a
> collection of spare 6146s and 6146bs and hate to think that it was
> all for naught.

Dave-

There may be differences in plate dissipation and inter-electrode capacitances, between the members of the 6146 family.

In repeater use, one of the members was reported to have higher noise, but I can't recall which.

The most significant difference from my point of view, is that the 6146B (and possibly 6146W?) has a welded plate cap. The older versions had a soldered plate cap. Due to high peak plate currents in a Class C amplifier used for FM, the solder will eventually crystalize, and the plate cap will come loose. This doesn't happen with a welded plate cap.

The loose plate cap was the most frequent failure mode I experienced, using a pair of 6146's in a GE Prog Line repeater. On rare occasion, the heat generated in the loose connection can crack the tube. Re-soldering with ordinary solder, is a short-term solution, since it quickly oxidizes again. Use of a higher-temperature solder might help, but just for a little longer!

Considering availability of tubes, you may be eventually forced take what you can get!

73, Fred, K4DII

Date: 1 Jun 1994 21:31:42 -0400
From: news.bu.edu!transfer.stratus.com!jjmhome.jjm.com!not-for-mail@purdue.edu
Subject: Antennas on Taurus Wagon
To: info-hams@ucsd.edu

I will soon be getting a Ford Taurus wagon. I'll be installing a 2M rig and an HF rig. I'm trying to decide where to install the antennas.

For 2M, I'm leaning towards a permanent, roof-top installation. For HF, I'll be using a Hustler mast, and I have no great ideas on how to mount it. On my current car, I mounted the HF mast via a heavy aluminum plate bolted to the underside of the steel bumper. However, the bumpers on the Taurus appear to be much flimsier and I'm concerned that the flexing caused by the mast would be too much stress. Of course, there's always the option of having it mounted through the sheet metal on the side... unlike the 2M installation, however, it can't be later passed off as a cell phone mount.

If anyone has any experiences mounting antennas on Taurus wagons, I'd love to hear about them. I can be reached at nc1n@jjmhome.jjm.com or chr1@hp1.ndhm.gtepsc.com.

TNX

--Charlie Ross, NC1N

Date: Thu, 2 Jun 1994 01:35:10 GMT
From: ihnp4.ucsd.edu!library.ucla.edu!csulb.edu!csus.edu!netcom.com!
dbmartin@network.ucsd.edu
Subject: Dallas Ham fest?
To: info-hams@ucsd.edu

I am looking for some information about a Ham fest that will be hold in
the Dallas Tx area in June. Does anyone know where and when?

Thanks.

Date: 1 Jun 94 09:51:57 GMT
From: uchinews!ncar!gatech!howland.reston.ans.net!pipex!demon!news@rsch.wisc.edu
Subject: Fancy testing some Macintosh HyperCard software ?
To: info-hams@ucsd.edu

Hello All,

I have just finished a HyperCard Stack that will allow control of a Yaesu
FT-747GX.

I now need your help.

I am looking for people that have a Macintosh and a FT-747GX
(or perhaps any other Yaesu radio) who can help me beta test
this stack.

If you would like to help just let me have an e-mail or street
address and I'll send you off a copy.

Kind regards, Sean.

Date: Thu, 2 Jun 1994 01:46:12 GMT
From: ihnp4.ucsd.edu!sdd.hp.com!col.hp.com!srigenprp!jandrews@network.ucsd.edu
Subject: Field Day!
To: info-hams@ucsd.edu

armond@delphi.com (armond@delphi.com) wrote:
: FD is the funnest thing in AR.

Certainly is a day I look forward to all year (the no sleep hang over is tough, though!).

I also use marine deep cycle batts that I bought at Sears. On sale, the smaller one was < \$50 and is about 70 Ah. Here's the fun part...I bought a 1' x 1' solar panel, put in a diode and charge the battery with it. Then I can get the bonus points for natural power! You must discharge the battery (a card came with the battery showing when it is discharge which doesn't equal totally flat) then charge it with some natural means. I usually start 6-8 weeks before field day to make sure I have a full charge. I get about 200-300ma from the panel in sunlight.

Have fun on FD, I hope to work you!

-jim

--

Jim Andrews
Engineering Productivity Group
Hewlett Packard
Microwave Instruments Division
Santa Rosa, CA
e-mail: jandrews@sr.hp.com
amateur packet mail: kc6pjw@kc6pjw.#nocal.ca.usa

```
      h
      h
    hhhh  ppppp
    h  h  p  p
    h  h  ppppp
           p
           p
```

Date: Thu, 2 Jun 1994 01:50:31 GMT
From: ihnp4.ucsd.edu!sdd.hp.com!col.hp.com!srigenprp!jandrews@network.ucsd.edu
Subject: Help: FT-5200 LED Replacement
To: info-hams@ucsd.edu

Dave Kinzer (kinzer@dtsdev0.sps.mot.com) wrote:
: In article <2s2aiq\$1gh@news.iastate.edu> A3.GAP@ISUMVS.IASTATE.EDU (Glenn
Pearston) writes:

: >
: >I have a YAESU FT-5200 that has one of the LED's used for back-
: >lighting burned out. I don't want to send it in to have a simple
: >LED replaced, has anyone opened up the face plate of a FT-5200?
: >Any suggestions or comments?

: There are control head disassembly instructions in the owners manual.
: I've not had to do it, but it looks pretty easy. Incidentally, my
: schematic shows 3 9 volt light bulbs, not LEDs. This would be consistant

: with the white color of the backlighting. Perhaps they changed it for
: newer models.

: -dave

Yes, they are light bulbs, and I bought mine direct from Yaesu parts in
Los Angeles, CA, U.S.A. They weren't too expensive and came very fast.
The back of the control head comes off easy enough, but you need to get
to the fron, which requires the removal of a little nut, if I recall
correctly. It was under some green locktite, so I didn't see it right away.
I think you also need to take off the nuts around the mike connector jack.

Good Luck!

-jim

--

Jim Andrews
Engineering Productivity Group
Hewlett Packard
Microwave Instruments Division
Santa Rosa, CA
e-mail: jandrews@sr.hp.com
amateur packet mail: kc6pjwt@kc6pjwt.#nocal.ca.usa

```
      h
      h
    hhhh  ppppp
   h  h  p  p
  h  h  ppppp
                p
                p
```

Date: Wed, 1 Jun 1994 23:29:13 GMT
From: swrinde!emory!europa.eng.gtefsd.com!howland.reston.ans.net!news.cac.psu.edu!
news.pop.psu.edu!psuvax1!news.cc.swarthmore.edu!netnews.upenn.edu!msuinfo!
harbinger.cc.monash.@@ihnp4.ucsd.edu
Subject: IPS Daily Report - 01 June 94
To: info-hams@ucsd.edu

SUBJ: IPS DAILY SOLAR AND GEOPHYSICAL REPORT
ISSUED AT 1/2330Z JUNE 1994 BY IPS RADIO AND SPACE SERVICES
FROM THE REGIONAL WARNING CENTRE (RWC), SYDNEY.
SUMMARY FOR 1 JUNE AND FORECAST UP TO 4 JUNE

IPS Warning 15 was issued on 26 May and is still current.

1A. SOLAR SUMMARY
Activity: very low

Flares: none.

Observed 10.7 cm flux/Equivalent Sunspot Number : 068/002

1B. SOLAR FORECAST

	02 June	03 June	04 June
Activity	Very low	Very low	Very low
Fadeouts	None expected	None expected	None expected

Forecast 10.7 cm flux/Equivalent Sunspot Number : 070/005

1C. SOLAR COMMENT

None.

2A. MAGNETIC SUMMARY

Geomagnetic field at Learmonth: unsettled to active, apart from minor storm levels 09-12UT.

Estimated Indices : A	K	Observed A Index 31 May
Learmonth	23 4345 3343	
Fredericksburg	27	28
Planetary	25	32

Observed Kp for 31 May: 4655 3343

2B. MAGNETIC FORECAST

DATE	Ap	CONDITIONS
02 Jun	30	Unsettled to active, with brief minor storm periods.
03 Jun	30	Unsettled to active, with brief minor storm periods.
04 Jun	30	Unsettled to active, with brief minor storm periods.

2C. MAGNETIC COMMENT

Recurrent coronal hole activity remains in progress.

3A. GLOBAL HF PROPAGATION SUMMARY

	LATITUDE BAND		
DATE	LOW	MIDDLE	HIGH
01 Jun	normal	fair	poor-fair

PCA Event : None.

3B. GLOBAL HF PROPAGATION FORECAST

	LATITUDE BAND		
DATE	LOW	MIDDLE	HIGH
02 Jun	normal	fair	poor-fair
03 Jun	normal	fair	poor-fair
04 Jun	normal	fair	poor-fair

3C. GLOBAL HF PROPAGATION COMMENT

NONE.

4A. AUSTRALIAN REGION IONOSPHERIC SUMMARY

MUFs at Sydney were near predicted monthly values

Observed T index for 01 June: 23

Predicted Monthly T Index for June is 30.

4B. AUSTRALIAN REGION IONOSPHERIC FORECAST

DATE	T-index	MUFs
02 Jun	20	Near predicted monthly values.
03 Jun	20	Near predicted monthly values.
04 Jun	20	Near predicted monthly values.

4C. AUSTRALIAN REGION COMMENT

Local propagation conditions may have been degraded due to night-time Spread F and occasional Sporadic E layer. Similar conditions are expected for the next three days.

--

IPS Regional Warning Centre, Sydney	IPS Radio and Space Services
email: rwc@ips.oz.au fax: +61 2 4148331	PO Box 5606
RWC Duty Forecaster tel: +61 2 4148329	West Chatswood NSW 2057
Recorded Message tel: +61 2 4148330	AUSTRALIA

Date: Wed, 01 Jun 1994 19:18:47 -0400

From: dale.ksc.nasa.gov!algot.ksc.nasa.gov!k4dii.ksc.nasa.gov!user@ames.arpa

Subject: Logging software?

To: info-hams@ucsd.edu

In article <CqFsBH.Kt2@cbnewsm.cb.att.com>, hellman@cbnewsm.cb.att.com
(eric.s.hellman) wrote:

> My teenage son N2WKS (Advanced tested end of Feb --license arrived
> this week) uses the spreadsheet in MicroSoft Works for his logging..
> He tried a few logging programs before deciding to use the spreadsheet.

Shel-

Is it possible to save your spreadsheet in "comma separated", or some other ASCII format? If it wasn't too large, you could paste it into a message here, and we could all give it a try! Several different spreadsheets have the ability to import data from others. It would only be necessary to use a text editor, to clean it up first.

73, Fred, K4DII

Date: 2 Jun 94 01:54:57 GMT
From: news-mail-gateway@ucsd.edu
Subject: re;N7RO QSL bureau
To: info-hams@ucsd.edu

One comment on N7RO qsl service.

I've been the QSL manager over 20years. Most of the operations were made by myself. They were C21/JE1CKA, S21CW, 8Q6AH, DX1TDX, VR1AK, VR4CW(H44CW), YJ8CW, VR8D in '70s and KH0AM in '90s.

I often received the cards from N7RO for above operations with a Self Addressed Label and one/two green stamps for the postage. I replied to all the requests and sent out via seamail. I believe N7RO *did* the appropriate job. Not too good but not too bad. You should trust him. All the qsls must be sent out to the manager with the cover postage. If you did not get the cards through N7RO, it must not be his responsibility but the managers must be blamed.

Tack JE1CKA/KH0AM(aka JA0CUV) <je1cka@asuka.aerospace-lab.go.jp>

Date: 2 Jun 1994 00:46:11 GMT
From: ihnp4.ucsd.edu!usc!elroy.jpl.nasa.gov!lll-winken.llnl.gov!korie!
newsworthy.West.Sun.COM!abyss.West.Sun.COM!sunspot!myers@network.ucsd.edu
Subject: Reality check (was Re: Ham Radio few problem)
To: info-hams@ucsd.edu

In article F40@news.Hawaii.Edu, jherman@uhunix.uhcc.Hawaii.Edu (Jeffrey Herman) writes:

[Text edited out, including a note from Roger Bly claiming to jam closed repeaters]

>Who is it that keeps claiming that VHF/UHF is healthy in So. Cal?

Me, Jeff. Me. If it makes you sleep better at night to think that VHF/UHF is all rife with jamming and poor operating in Southern California, then go ahead and keep ignoring reality. My experience is, most repeaters in Southern California are *not* constantly jammed, most operators on VHF/UHF in Southern California *are* good operators, but we do have a few well known examples of "trouble". Nonetheless, in a private conversation with one of the FCC PRB staffers, it was expressed to me that every major population center in the USA has at least one "trouble spot", but that somehow Southern California has gained the most attention.

Heck, in 1978 when I got on 2m, the WR6ABM repeater (later WB6AAE, I recall)

was constantly jammed. This machine was in the Oakland hills, far away from Southern California and long before the dropping of the code requirement from the Technician license. Guess what? This machine was just like the MWRA 147.435 machine is today! Guess what? This didn't mean that VHF was unhealthy in Northern California 16 years ago.

>Sure glad we don't regularly have these problems down on HF CW.

Well, if it makes one feel better to think that HF CW is free of jamming and poor operating, then please continue to ignore reality. I regularly use HF CW (on 20m, 17m, 15m, 12m and 10m), and I've heard incidents of jamming and poor operating. The DX pile-ups are good examples of ill-mannered HF CW operating. I've also heard people intentionally jamming, in CW, DX pileups and SSB nets. Does this mean HF CW is all bad? Not any more than VHF/UHF is all bad.

It is common human nature for insecure, unhappy people to deride others. Too bad some have to cope with their frailties by condemning others, no?

* Dana H. Myers KK6JQ, DoD#: j | Views expressed here are
*
* (310) 348-6043 | mine and do not necessarily *
* Dana.Myers@West.Sun.Com | reflect those of my employer
*
* This Extra supports the abolition of the 13 and 20 WPM tests *

Date: 02 Jun 1994 02:35:28 GMT
From: ihnp4.ucsd.edu!agate!cat.cis.Brown.EDU!noc.near.net!chaos.dac.neu.edu!
chaos.dac!wy1z@network.ucsd.edu
Subject: WANTED: Any Icom IC-3SAT mods
To: info-hams@ucsd.edu

I recently purchased a new Icom IC-3SAT 220Mhz HT, and was wondering if there were any mods for it.

As the maintainer of the Boston ARC FTP archives, I did check there before posting this. If I do find any mods which work, I will include them in the archives.

Thanks much for any help you can offer.

73,
Scott

--

```
=====
| Scott Ehrlich           Amateur Radio: wy1z       AMPRnet: wy1z@wa1phy.ampr.org |
| Internet: wy1z@neu.edu   BITnet: wy1z@NUHUB        AX.25: wy1z@wa1phy.ma.usa.na |
|-----|
|           Maintainer of the Boston Amateur Radio Club hamradio FTP area on      |
|           oak.oakland.edu - /pub/hamradio                                     |
|-----|
=====
```

Date: 1 Jun 1994 09:59:21 -0600
From: ihnp4.ucsd.edu!usc!howland.reston.ans.net!spool.mu.edu!mnemosyne.cs.du.edu!
nyx10.cs.du.edu!not-for-mail@network.ucsd.edu
To: info-hams@ucsd.edu

References <linleyCqLoG3.4yz@netcom.com>, <2sc592\$q6p@ccnet.ccnet.com>,
<rogjdCqM44E.2GG@netcom.com>a
Subject : Re: 440 in So. Cal.

In article <rogjdCqM44E.2GG@netcom.com>,
Roger Buffington <rogjd@netcom.com> wrote:
>What is needed in Southern California is a radical reform of the way 440
>is coordinated, with private and closed repeaters sharply limited with
>respect to coordination. It has worked wonderfully on 2 meters.

The reason it's worked wonderfully on 2 was that the closed repeater groups
were told to move to 440. Many years ago. They've been there for a LONG time.
Now you want ot change the rules in midstream and destroy their investment in
their equipment and site, just so you can yak on another frequency.

Have you got pockets deep enough to defend coordination groups from the masses
of lawsuits they'd get by implementing the change you want? They're not going
to risk their livelihoods on doing that, and I don't think they should.

Folowups to .policy, where this discussion belongs.

--

Jay Maynard, EMT-P, K5ZC, PP-ASEL | Never ascribe to malice that which can
jmaynard@admin5.hsc.uth.tmc.edu | adequately be explained by stupidity.
To Sarah Brady, Howard Metzenbaum, Dianne Feinstein, and Charles Schumer:
Thanks. Without you, I would be neither a gun owner nor an NRA life member.

Date: 2 Jun 1994 01:30:27 GMT
From: ihnp4.ucsd.edu!dog.ee.lbl.gov!overload.lbl.gov!agate!
kabuki.EECS.Berkeley.EDU!kennish@network.ucsd.edu
To: info-hams@ucsd.edu

see their coordination yanked (therefore forced off the air) just because 10 years came up.

Like I said earlier, I wouldn't mind a method where after 10 years, a case could be made that the repeater wasn't being maintained to current standards, that a notice to show cause be issued by the coordinating body. However, a blanket 10 year term gets the good with the bad. Some machines should be booted off the next minute, for some, 50 years may be appropriate. It all has to do with individual situation. I support the following as grounds for decoordination: abandonment, modification of repeater to change the coverage area such that interference occurs, violation of part 97 including wanton negligence that allows violation of part 97 to occur, not keeping the machine in compliance with contemporary technical standards (i.e. if the machine drifts across three channels in the course of the evening). Transfer of trustee is a trickier issue. I have to think about that, but if it is a good machine, why not?

While I don't live in SoCal, I have visited, and worked "closed" machines as guests. You just have to ASK. I assume that many will ask that you contribute to the costs of maintaining the machine if you are a regular user -- that is fair. In fact, in about 2 weeks, I will be in LA again, and will once again test my theory to see if being nice will get me kicked off or not...

If I were the trustee of a machine, I would run it as a closed machine. Why? To keep some semblance of contact between myself and the users. Would I chase away visitors? No. All I would ask for is a howdy, my name is If you are a lid, then I would ask you to go away. Part 97 can be twisted to read that a repeater owner is REQUIRED to know and grant express permission to use that repeater. The new FCC 610, which we all will be required to sign in the next 10 years specifically states that as a licensed operator, "the station to be licensed will be inaccessible to unauthorized persons." This implies all repeaters must be closed (which is the FCC's current pseudo-opinion). (i.e. the trustee must make sure that all people on the machine are legally licensed with tech or higher privs -- lest he/she face a NAL from the FCC -- hope it doesn't go this far, but it could). Besides, what makes it so clear that if you kick someone off, and you replace the machine, you will get someone who is more "benevolent" than the current owner?

There are repeater owners that only require courtesy, a bit of common sense and participation as the entry to "membership" -- some will even refuse to take financial contributions.

I also doubt that the so called "no-codes go away" clubs will let no-codes in, if asked nicely. I think most repeater owners know that

courtesy and good operating practices don't correlate well with license class...

There is bound to be a slow, but sure turnover in the machines anywhere, SoCal included. People die, lost interest, tire, run out of \$\$, you name it. People's attitudes change...

I see you totally ignored my comment about 1280. There is an added subtle, albeit twisted, advantage to 440 remaining closed -- it forces new machines up at 1280 and beyond. Face it, we're gonna lose part of 2400 soon, and 3 GHz is next. There is going to be a great re-alignment in the microwave bands caused in part by PCS and also in part by the mandate to sell off spectrum. If we don't populate up there, it'll be gone faster than you can kerchunk a machine.

I can understand why you forward your idea -- its like term limits. Very appealing now, since you are frustrated. But I cannot condone a system whereby you automatically kick people off after 10 years. Not without some review mechanism.

Finally, a question that donned on me. Why haven't more people gone to GMRS? There are repeaters, and I'm sure the licenses are on terms, subject to public review... For those who get into ham radio to be appliance operators (nothing wrong with them) and chit chat on the radio, it seems like a good alternative to me. You even get full privs without code :-)

-Ken

End of Info-Hams Digest V94 #607
